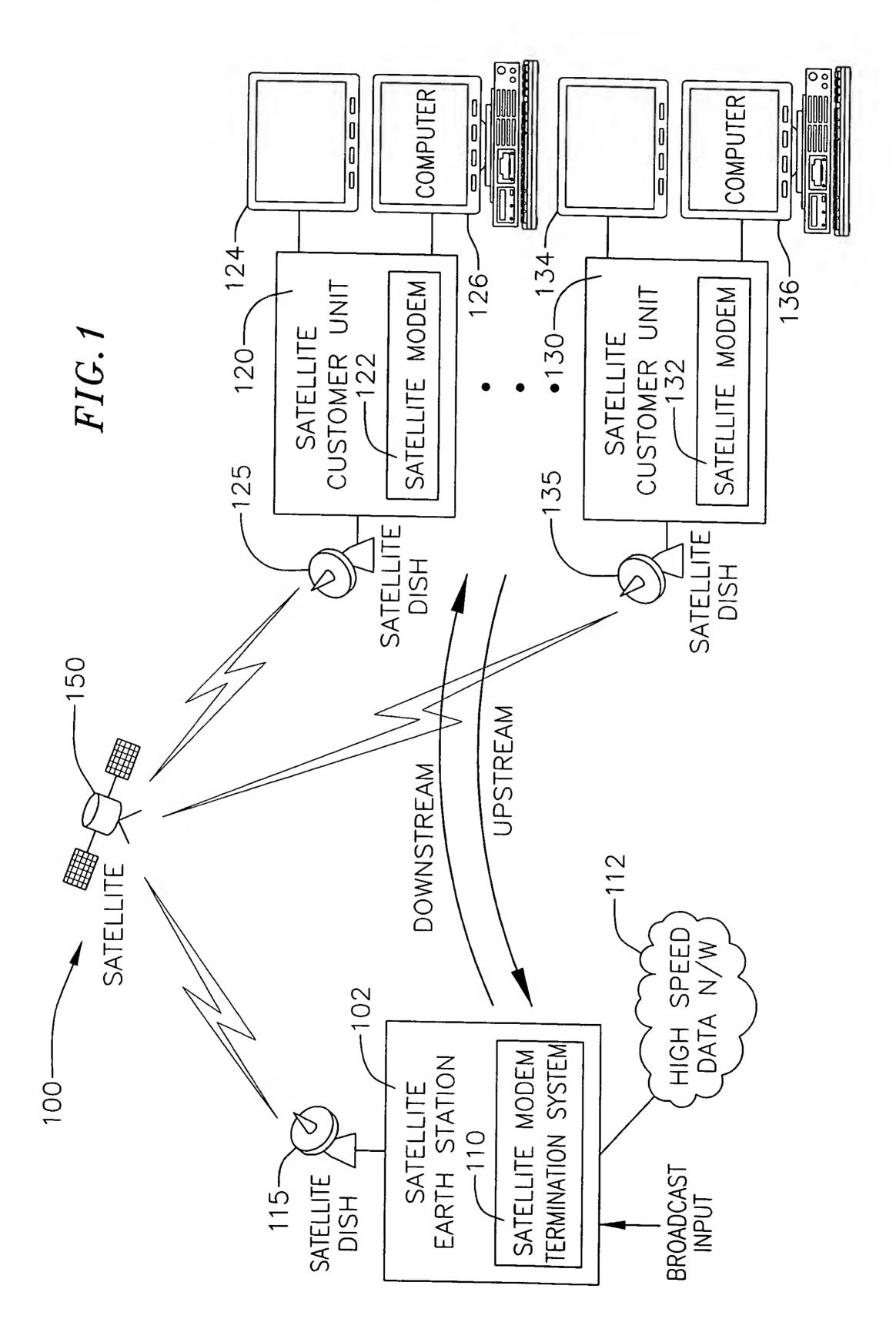
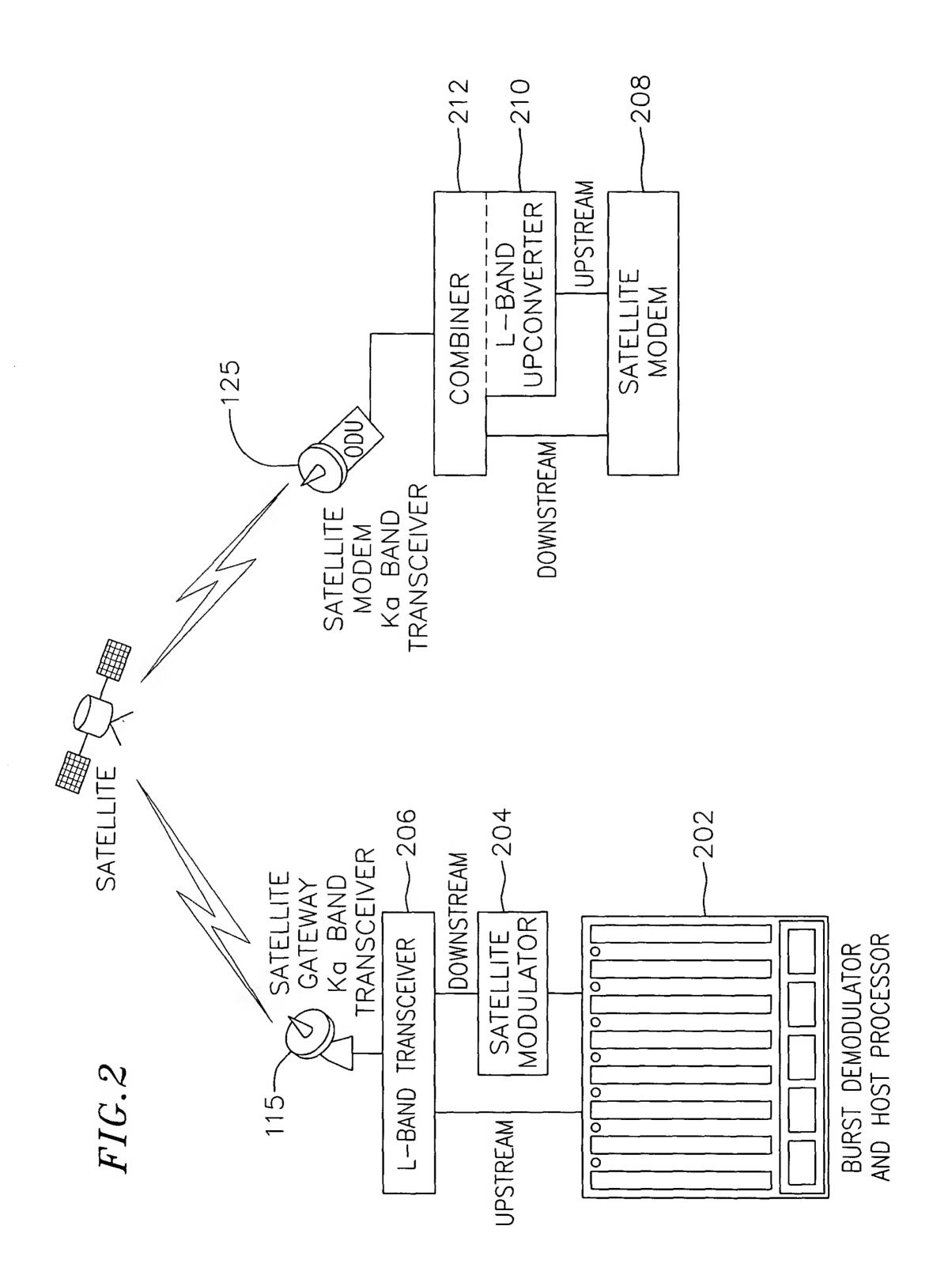
Attorney: Raymond R. Tabandeh
Docket No.: 49245/RRT/B600
Inventor(s): Dorothy D. Lin, et al.
Title: HIGH SPEED DATA SERVICE VIA
SATELLITE MODEM TERMINATION SYSTEM
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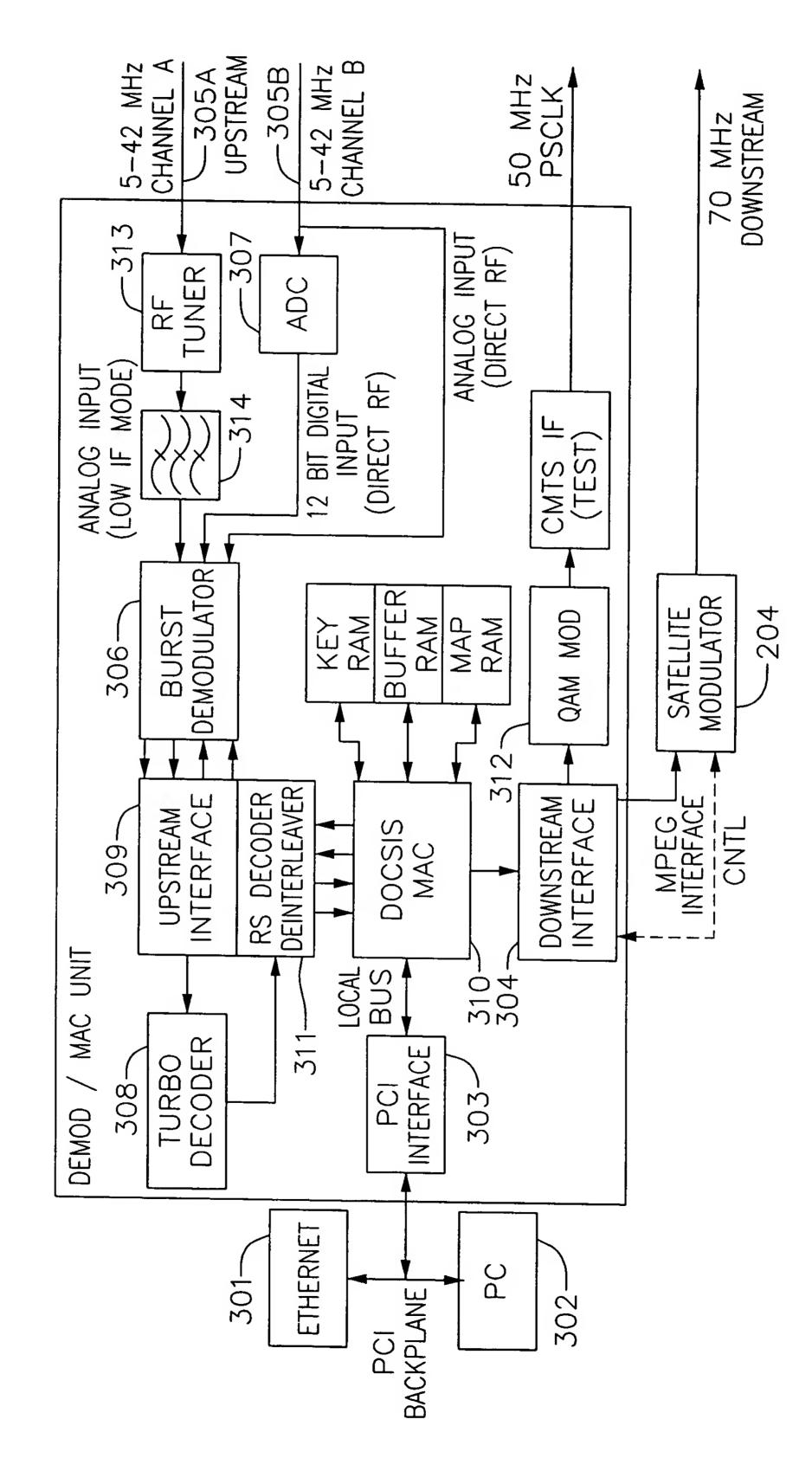


FIG.3

FLOW

TRANSMITTING

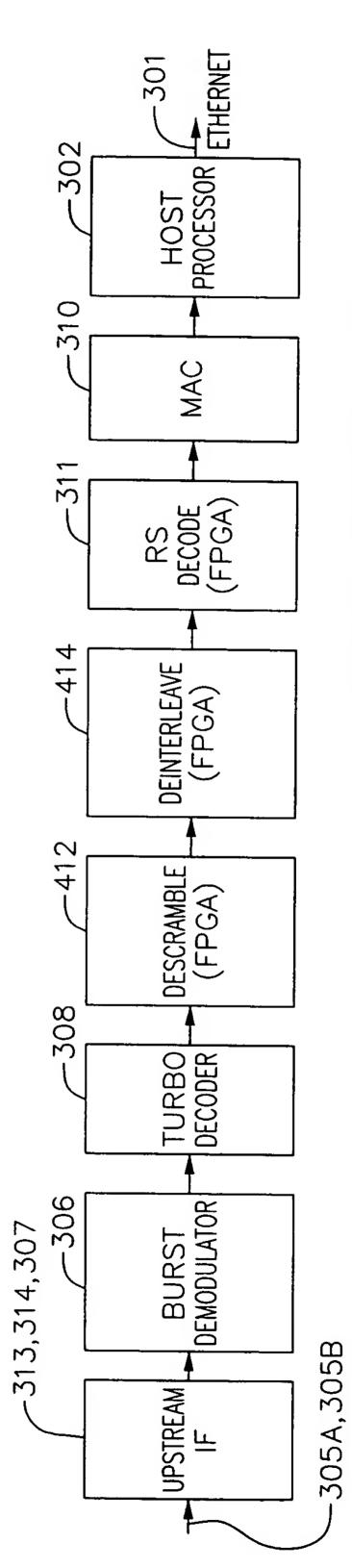
DOWNSTREAM

MODULE 410 8PSK MODULATOR 408 BLOCK HEADER INSERT (QPSK) 204 406 TURBO-TRELLIS ENCODE MODULATOR MODULE 404 RS ENCODE **RANDOMIZE** 402 SATELLITE INTERFACE (FPGA) SERIAL TO PARALLEL 304 DOCSIS MAC TIMESTAMPS **ENCRYPTION** FRAMING MPEG 310 **PROCESSOR** ETHERNET INTERFACE MODULE HOST 302 SMTS ETHERNET 301-

FIG. 4A

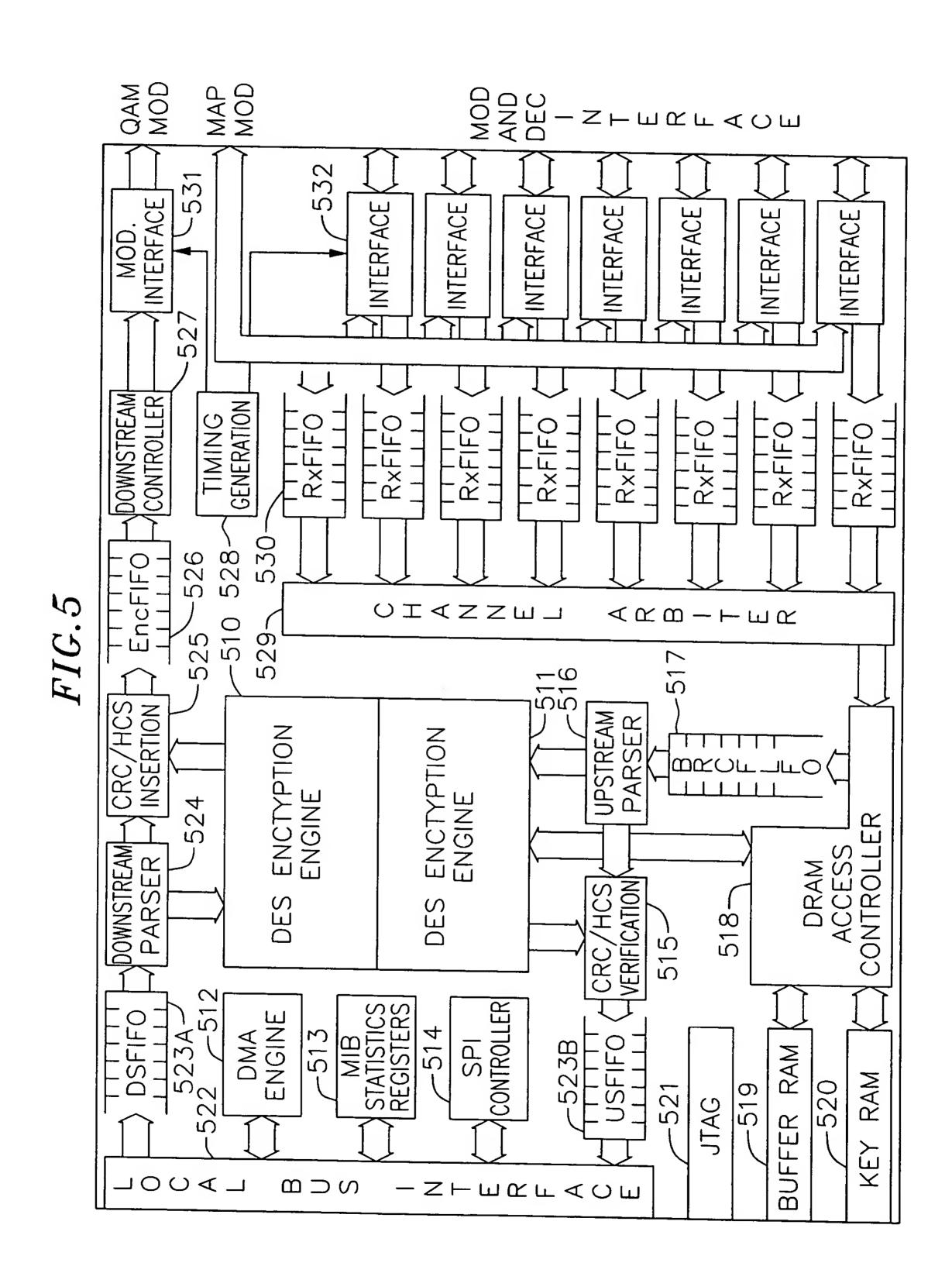
70MHz → IF 0UTPUT

FIG. 4B

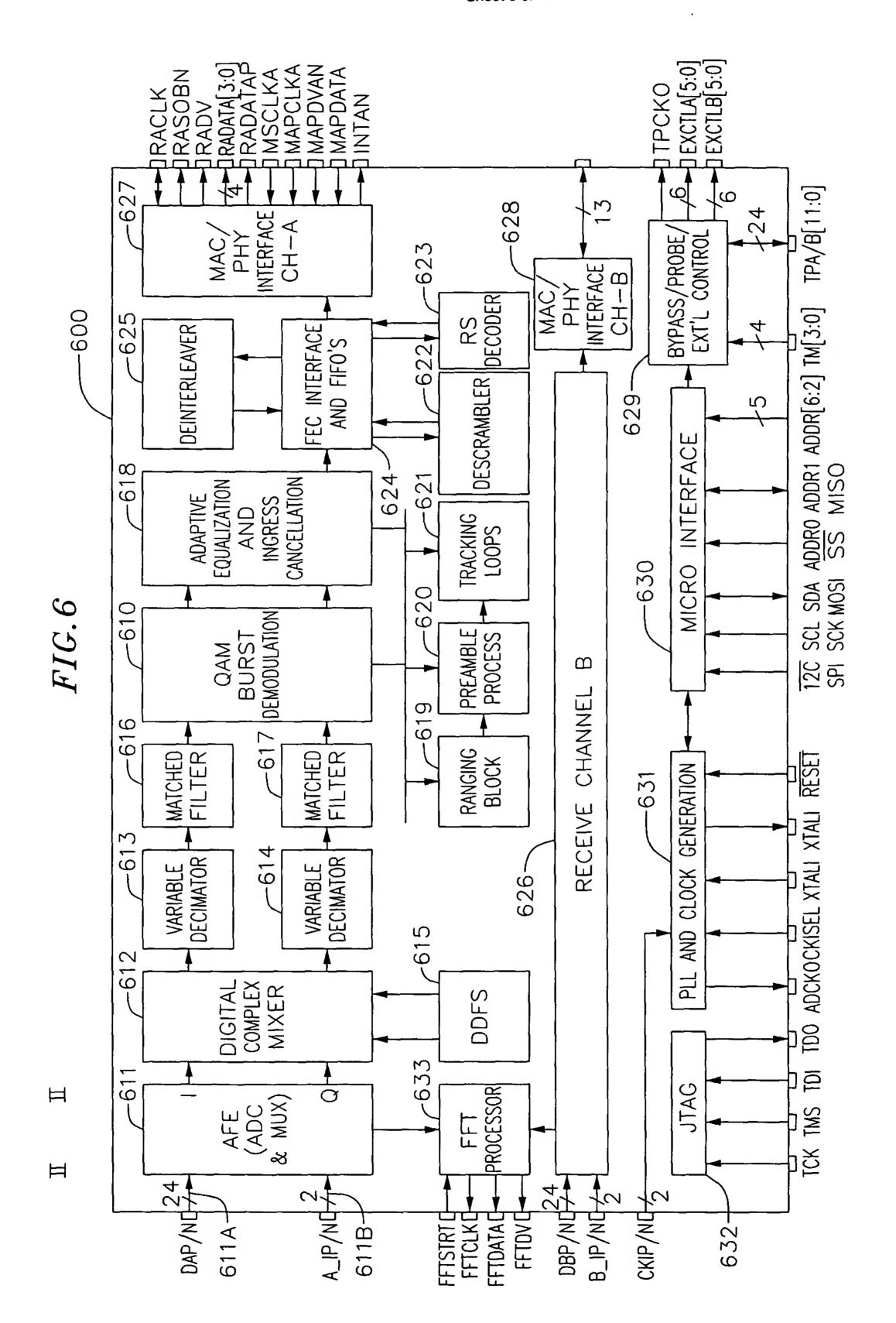


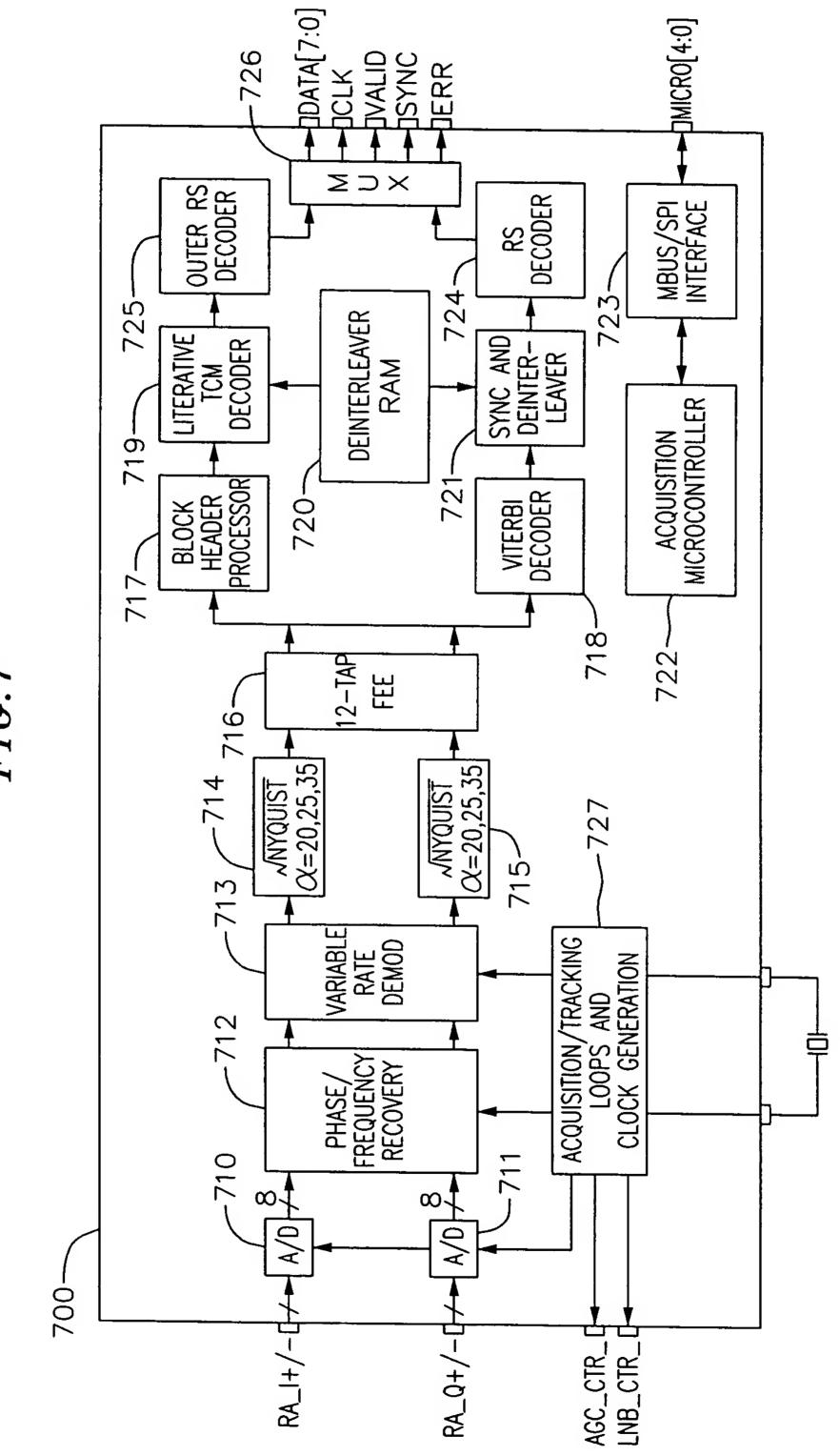
UPSTREAM RECEIVING FLOW

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FIC 7

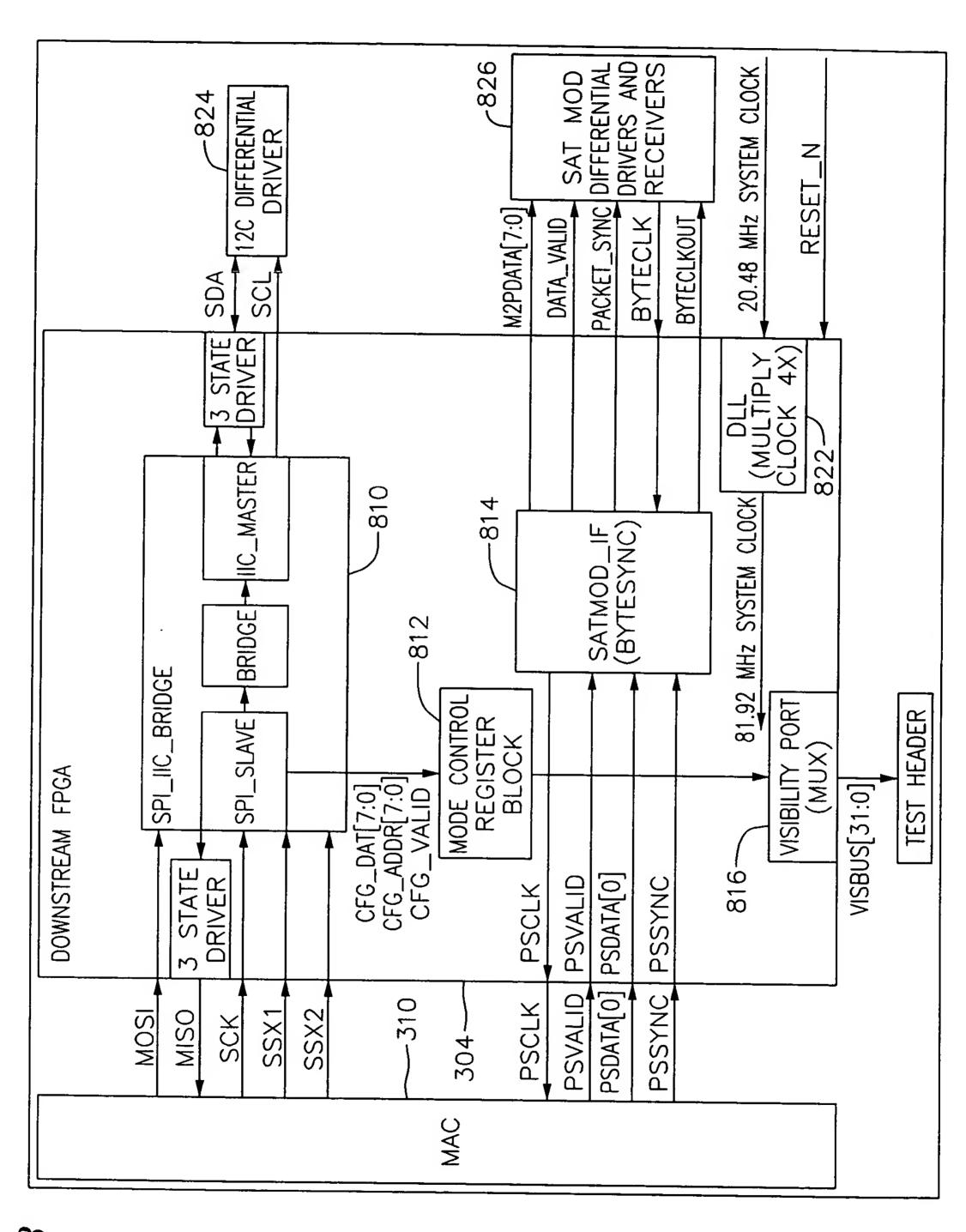


FIG.8

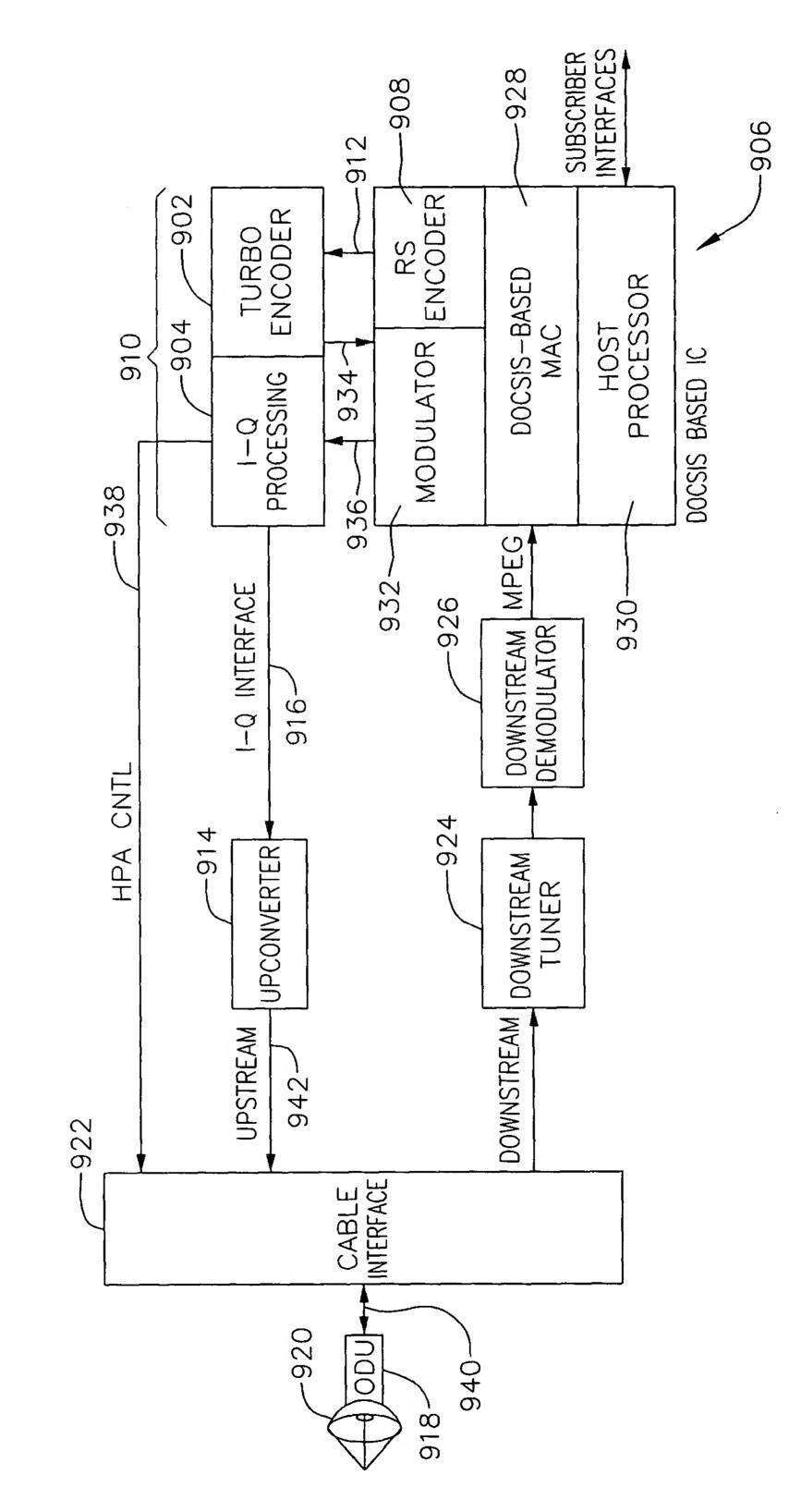
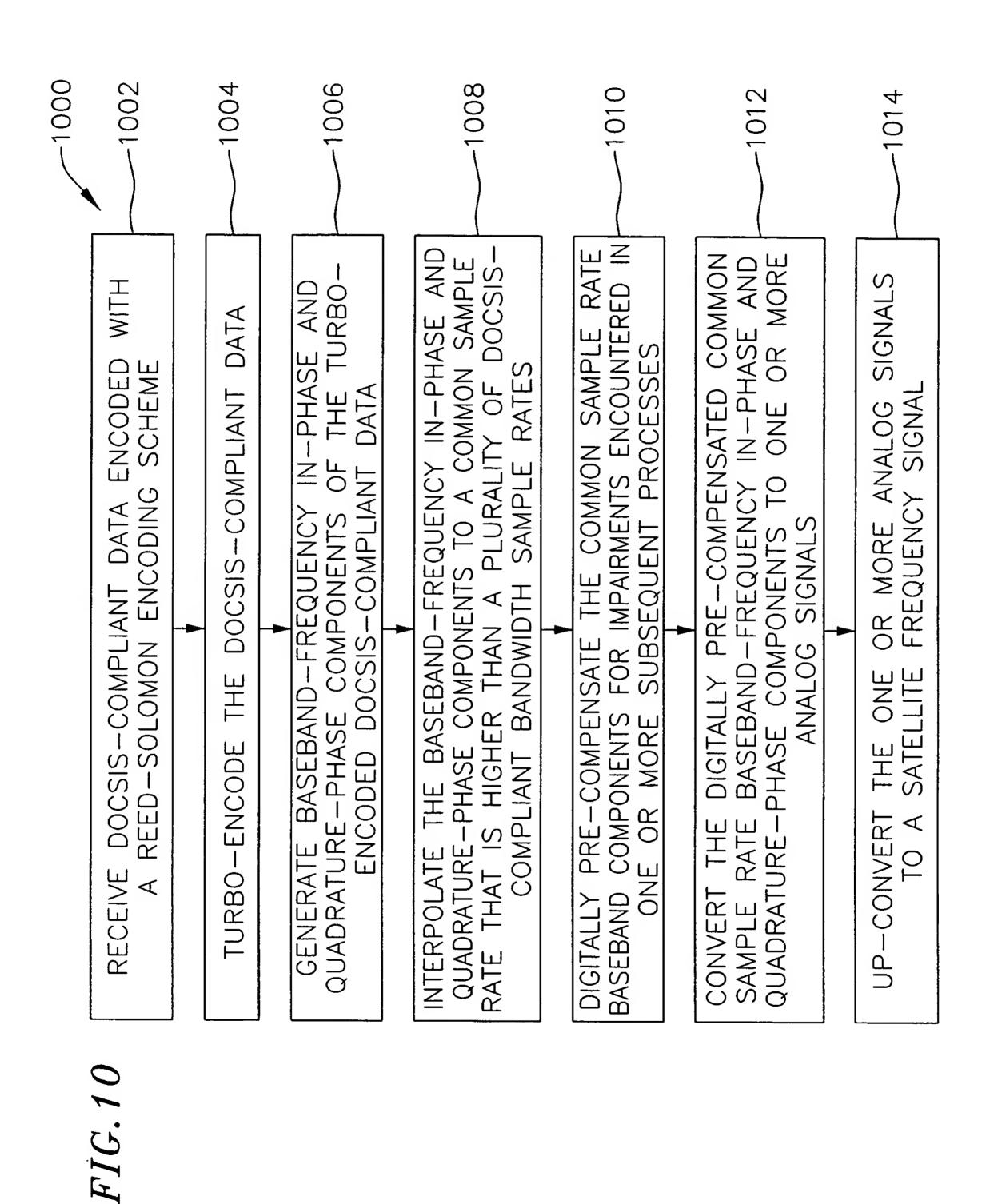
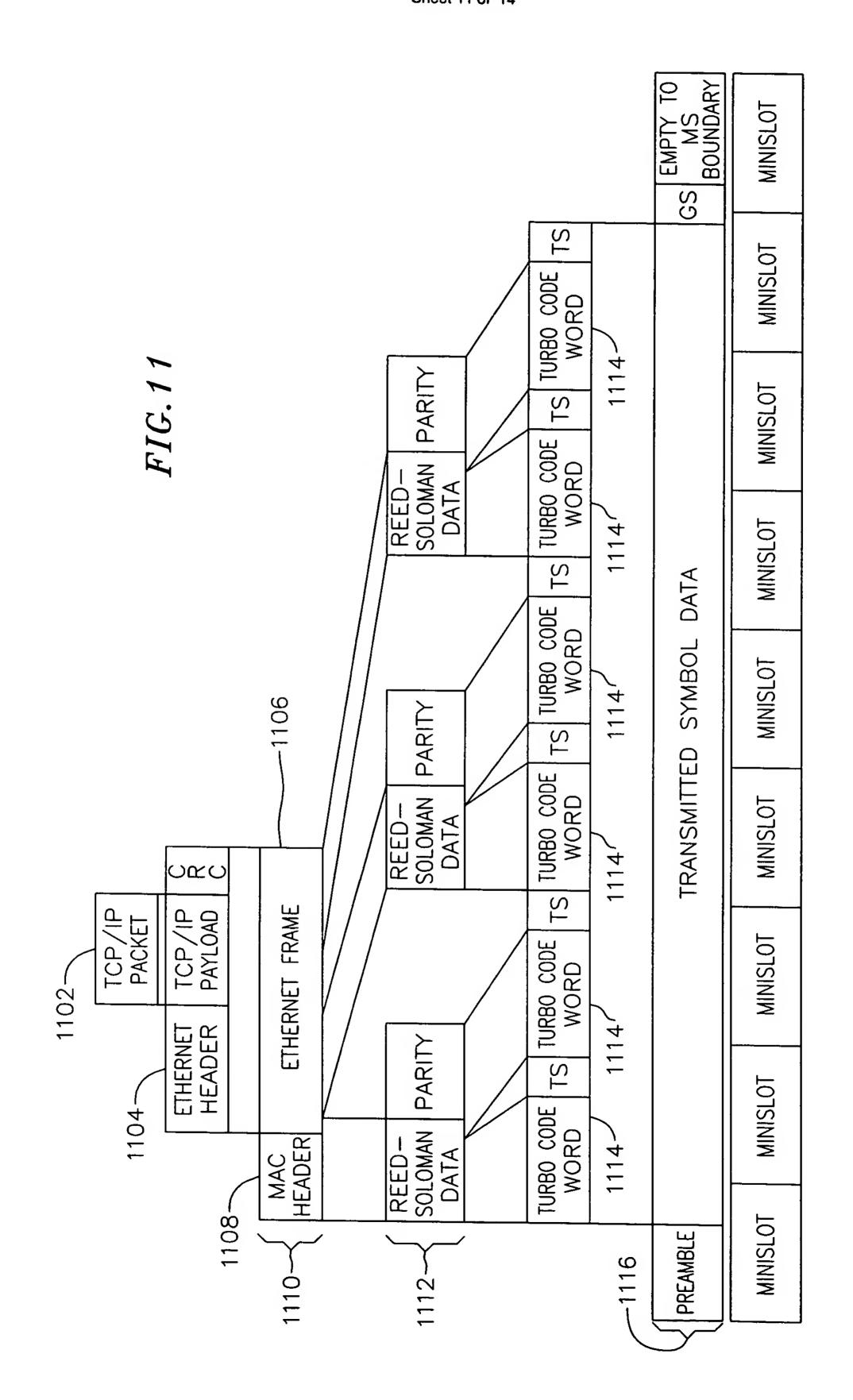


FIG. 9

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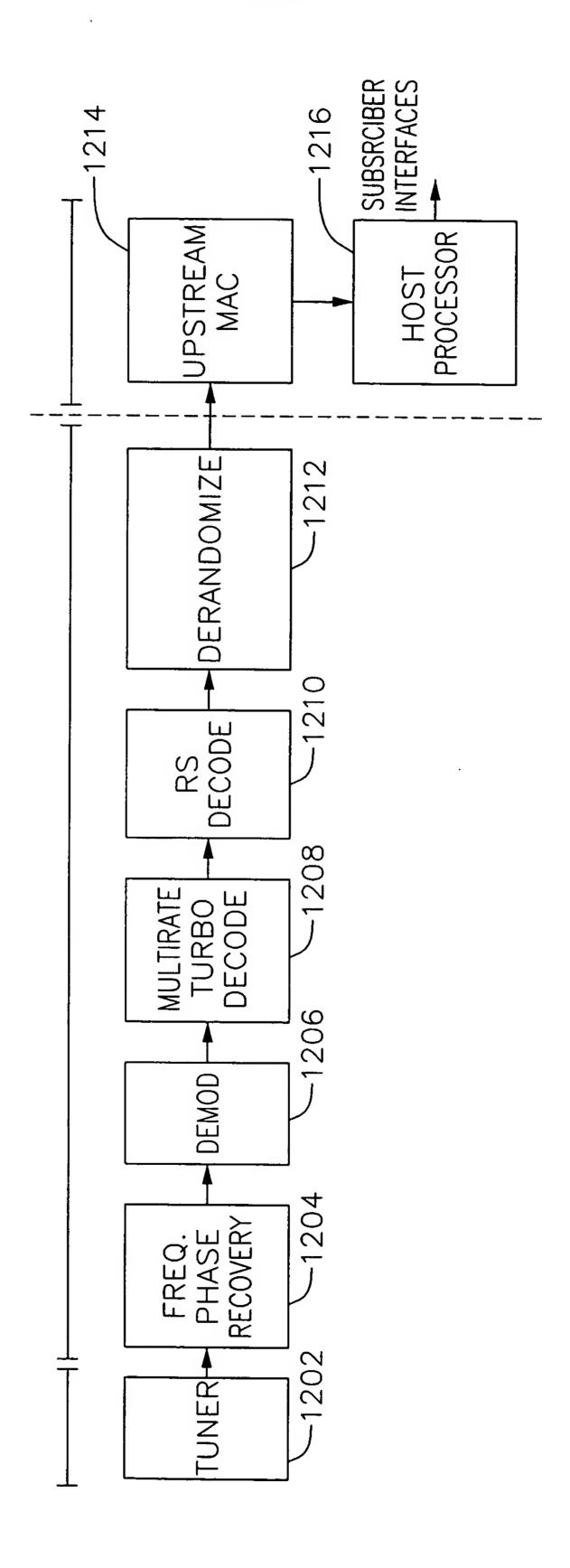
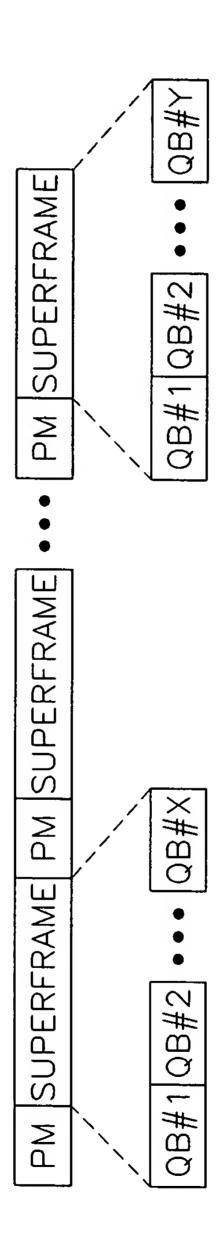


FIG 12

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FIG. 13



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